(When Filled In)

R & D CATALOG FORM

DATE: 15 June 1967

1. PROJECT TITLE/CODE NAME: Image Analysis Study

2. SHORT PROJECT DESCRIPTION: The third year follow-on program of research into the concepts of image analysis.

3. CONTRACTOR NAME:

4. LOCATION OF CONTRACTOR: 25X1

5. CLASS OF CONTRACTOR: Research Laboratory (Commercial)

6. TYPE OF CONTRACT: CPFF

7. FUNDS: FY 1967; FY 19; FY 19

8. REQUISITION NO.: NA

9. BUDGET PROJECT NO.: 25X1 NP-A-1-04018

10. EFFECTIVE CONTRACT DATE (Begin - end): February 1968 - June 1968

11. SECURITY CLASS.: A.A. - Secret; T. - Unclassified; W. - Secret

12. RESPONSIBLE DIRECTORATE/OFFICE/PROJECT OFFICER TELEPHONE EXTENSION: DDI/NPIC/TDS 25X1

13. REQUIREMENT/AUTHORITY: Thorough evaluation and exploitation of contemporary and oncoming imagery requires information about the basic processes which is not now available. This study is essential to provide a basis for evaluation, interpretation, and communication in the field of image analysis.

14. TYPE OF WORK TO BE DONE: Applied research, including a comprehensive review of available literature, in the nature of photographic and other images.

15. CATEGORIES OF EFFORT

MAJOR CATEGORY	SUB-CATEGORIES
Image Analysis Program	Optical Systems

16. END ITEM OR SERVICES FROM THIS CONTRACT/IMPROVEMENT OVER CURRENT SYSTEM, EQUIPMENT, ETC.: Reports on the basic nature and parameters of photographic and other images, including rigorous descriptions of image forming and recording processes and means of compensating for degradation caused by acquisition, reproduction, transmission, and viewing.

17. SUPPORTING OR RELATED CONTRACTS (Agency & Other)/COORDINATION: Basic coordination was accomplished with DD/S&T/ORD and with offices of DOD during the first phase, community coordination has been maintained on an informal and continual basis through SAFSS and SASPPF and by related briefings.

18. DESCRIPTION OF INTELLIGENCE REQUIREMENT AND DETAILED TECHNICAL DESCRIPTION OF PROJECT (Continue on additional page if required): Information from this study will help extract more intelligence from imagery, to deal with the increasing varieties of imagery available and to reduce available information into a form acceptable to computers for calculations and storage. Tasks under this project include studies in optics, photographic processes, the imaging properties of photographic material, systems performance, the physics of partially coherent photometry, image enhancement and restoration, and microdensitometers.

19. APPROVED BY AND DATE

OFFICE	DEPUTY DIRECTOR	DDCI